

## HESS / CTA group publications (July 2012–November 2014)

- [1] H.E.S.S. Collaboration, A. Abramowski, F. Acero, F. Aharonian, and et al., “Identification of HESS J1303-631 as a pulsar wind nebula through  $\gamma$ -ray, X-ray, and radio observations,” *A&A* **548**, A46 (Dec. 2012), [arXiv:1210.6513 \[astro-ph.HE\]](#)
- [2] H.E.S.S. Collaboration, A. Abramowski, F. Acero, F. Aharonian, and et al., “Measurement of the extragalactic background light imprint on the spectra of the brightest blazars observed with H.E.S.S..” *A&A* **550**, A4 (Feb. 2013), [arXiv:1212.3409 \[astro-ph.HE\]](#)
- [3] H.E.S.S. Collaboration, A. Abramowski, F. Acero, F. Aharonian, and et al., “Probing the extent of the non-thermal emission from the Vela X region at TeV energies with H.E.S.S..” *A&A* **548**, A38 (Dec. 2012), [arXiv:1210.1359 \[astro-ph.HE\]](#)
- [4] H.E.S.S. Collaboration, A. Abramowski, F. Acero, F. Aharonian, and et al., “Discovery of gamma-ray emission from the extragalactic pulsar wind nebula N 157B with H.E.S.S..” *A&A* **545**, L2 (Sep. 2012), [arXiv:1208.1636 \[astro-ph.HE\]](#)
- [5] HESS Collaboration, A. Abramowski, F. Acero, F. Aharonian, and et al., “Constraints on the gamma-ray emission from the cluster-scale AGN outburst in the Hydra A galaxy cluster,” *A&A* **545**, A103 (Sep. 2012), [arXiv:1208.1370 \[astro-ph.CO\]](#)
- [6] HESS Collaboration, A. Abramowski, F. Acero, F. Aharonian, and et al., “HESS observations of the Carina nebula and its enigmatic colliding wind binary Eta Carinae,” *MNRAS* **424**, 128–135 (Jul. 2012), [arXiv:1204.5690 \[astro-ph.HE\]](#)
- [7] H.E.S.S. Collaboration, A. Abramowski, F. Acero, F. Aharonian, and et al., “Discovery of VHE  $\gamma$ -ray emission and multi-wavelength observations of the BL Lacertae object 1RXS J101015.9-311909,” *A&A* **542**, A94 (Jun. 2012), [arXiv:1204.1964 \[astro-ph.HE\]](#)
- [8] A. Abramowski, F. Aharonian, F. Ait Benkhali, A. G. Akhperjanian, E. Angüner, *et al.*, “Search for dark matter annihilation signatures in H.E.S.S. observations of dwarf spheroidal galaxies,” *Phys. Rev. D* **90**, 112012 (Dec. 2014), [arXiv:1410.2589 \[astro-ph.HE\]](#)
- [9] H.E.S.S. Collaboration, A. Abramowski, F. Aharonian, F. Ait Benkhali, A. G. Akhperjanian, *et al.*, “Long-term monitoring of PKS 2155-304 with ATOM and H.E.S.S.: investigation of optical/ $\gamma$ -ray correlations in different spectral states,” *A&A* **571**, A39 (Nov. 2014), [arXiv:1409.0253 \[astro-ph.HE\]](#)
- [10] A. Abramowski, F. Aharonian, F. Ait Benkhali, A. G. Akhperjanian, E. O. Angüner, *et al.*, “Discovery of the Hard Spectrum VHE  $\gamma$ -Ray Source HESS J1641-463,” *ApJ* **794**, L1 (Oct. 2014), [arXiv:1408.5280 \[astro-ph.HE\]](#)
- [11] H. E. S. S. Collaboration, A. Abramowski, F. Aharonian, F. Ait Benkhali, A. G. Akhperjanian, *et al.*, “Probing the gamma-ray emission from HESS J1834-087 using H.E.S.S. and Fermi LAT observations,” *A&A* **574**, A27 (Feb. 2015), [arXiv:1407.0862 \[astro-ph.HE\]](#)
- [12] H.E.S.S. Collaboration, A. Abramowski, F. Aharonian, F. Ait Benkhali, A. G. Akhperjanian, *et al.*, “Search for TeV Gamma-ray Emission from GRB 100621A, an extremely bright GRB in X-rays, with H.E.S.S..” *A&A* **565**, A16 (May 2014), [arXiv:1405.0488 \[astro-ph.HE\]](#)
- [13] H.E.S.S. Collaboration, A. Abramowski, F. Aharonian, F. A. Benkhali, A. G. Akhperjanian, *et al.*, “TeV  $\gamma$ -ray observations of the young synchrotron-dominated SNRs G1.9+0.3 and G330.2+1.0 with H.E.S.S..” *MNRAS* **441**, 790–799 (Jun. 2014), [arXiv:1404.1613 \[astro-ph.HE\]](#)
- [14] H.E.S.S. Collaboration, A. Abramowski, F. Aharonian, F. Ait Benkhali, A. G. Akhperjanian, *et al.*, “Flux upper limits for 47 AGN observed with H.E.S.S. in 2004-2011,” *A&A* **564**, A9 (Apr. 2014), [arXiv:1402.2332 \[astro-ph.GA\]](#)
- [15] A. Abramowski, F. Aharonian, F. A. Benkhali, A. G. Akhperjanian, E. Angüner, *et al.*, “HESS J1640-465 - an exceptionally luminous TeV  $\gamma$ -ray supernova remnant,” *MNRAS* **439**, 2828–2836 (Apr. 2014), [arXiv:1401.4388 \[astro-ph.HE\]](#)

- [16] H. E. S. S. Collaboration, A. Abramowski, F. Aharonian, F. Ait Benkhali, A. G. Akhperjanian, *et al.*, “Search for extended  $\gamma$ -ray emission around AGN with H.E.S.S. and Fermi-LAT,” *A&A* **562**, A145 (Feb. 2014), [arXiv:1401.2915 \[astro-ph.HE\]](#)
- [17] E. Aliu, S. Archambault, T. Aune, B. Behera, M. Beilicke, *et al.*, “Long-term TeV and X-Ray Observations of the Gamma-Ray Binary HESS J0632+057,” *ApJ* **780**, 168 (Jan. 2014), [arXiv:1311.6083 \[astro-ph.HE\]](#)
- [18] H. E. S. S. Collaboration, A. Abramowski, F. Aharonian, F. Ait Benkhali, A. G. Akhperjanian, *et al.*, “H.E.S.S. observations of the Crab during its March 2013 GeV gamma-ray flare,” *A&A* **562**, L4 (Feb. 2014), [arXiv:1311.3187 \[astro-ph.HE\]](#)
- [19] A. Abramowski, F. Acero, F. Aharonian, F. Ait Benkhali, A. G. Akhperjanian, *et al.*, “Constraints on axionlike particles with H.E.S.S. from the irregularity of the PKS 2155-304 energy spectrum,” *Phys. Rev. D* **88**, 102003 (Nov. 2013), [arXiv:1311.3148 \[astro-ph.HE\]](#)
- [20] H. E. S. S. Collaboration, A. Abramowski, F. Aharonian, F. Ait Benkhali, A. G. Akhperjanian, *et al.*, “HESS J1818-154, a new composite supernova remnant discovered in TeV gamma rays and X-rays,” *A&A* **562**, A40 (Feb. 2014), [arXiv:1310.6956 \[astro-ph.HE\]](#)
- [21] H.E.S.S. Collaboration, A. Abramowski, F. Acero, F. Aharonian, F. Ait Benkhali, *et al.*, “Discovery of very high energy  $\gamma$ -ray emission from the BL Lacertae object PKS 0301-243 with H.E.S.S.” *A&A* **559**, A136 (Nov. 2013), [arXiv:1309.6174 \[astro-ph.HE\]](#)
- [22] HESS Collaboration, A. Abramowski, F. Acero, F. Aharonian, A. G. Akhperjanian, *et al.*, “HESS and Fermi-LAT discovery of  $\gamma$ -rays from the blazar 1ES 1312-423,” *MNRAS* **434**, 1889–1901 (Sep. 2013), [arXiv:1306.3186 \[astro-ph.HE\]](#)
- [23] H.E.S.S. Collaboration, A. Abramowski, F. Acero, F. Aharonian, and *et al.*, “H.E.S.S. discovery of VHE  $\gamma$ -rays from the quasar PKS 1510-089,” *A&A* **554**, A107 (Jun. 2013), [arXiv:1304.8071 \[astro-ph.HE\]](#)
- [24] H.E.S.S. Collaboration, A. Abramowski, F. Acero, F. Aharonian, and *et al.*, “Discovery of high and very high-energy emission from the BL Lacertae object SHBL J001355.9-185406,” *A&A* **554**, A72 (Jun. 2013), [arXiv:1304.4023 \[astro-ph.HE\]](#)
- [25] H.E.S.S. Collaboration, A. Abramowski, F. Acero, F. Aharonian, and *et al.*, “H.E.S.S. observations of the binary system PSR B1259-63/LS 2883 around the 2010/2011 periastron passage,” *A&A* **551**, A94 (Mar. 2013), [arXiv:1301.3930 \[astro-ph.HE\]](#)
- [26] H.E.S.S. Collaboration, A. Abramowski, F. Acero, F. Aharonian, and *et al.*, “Search for very-high-energy  $\gamma$ -ray emission from Galactic globular clusters with H.E.S.S.” *A&A* **551**, A26 (Mar. 2013), [arXiv:1301.1678 \[astro-ph.HE\]](#)
- [27] D. Wouters, J.-P. Lenain, Y. Becherini, J. Harris, P. Brun, *et al.*, “H.E.S.S. observations of the distant BL Lac PKS 0301-243,” in *American Institute of Physics Conference Series*, American Institute of Physics Conference Series, Vol. 1505, edited by F. A. Aharonian, W. Hofmann, and F. M. Rieger (2012) pp. 498–501
- [28] G. Lamanna, C. Farnier, A. Jacholkowska, M. Kieffer, and C. Trichard For The H. E. S. S. Collaboration, “Sagittarius dwarf spheroidal galaxy observed by H.E.S.S,” ArXiv e-prints(Jul. 2013), [arXiv:1307.4918 \[astro-ph.HE\]](#)
- [29] H.E.S.S. Collaboration, A. Abramowski, F. Acero, A. G. Akhperjanian, and *et al.*, “SPECTRAL ANALYSIS AND INTERPRETATION OF THE  $\gamma$ -RAY EMISSION FROM THE STARBURST GALAXY NGC 253,” *ApJ* **757**, 158 (sep 2012), <http://dx.doi.org/10.1088/0004-637X/757/2/158>
- [30] H.E.S.S. Collaboration, A. Abramowski, F. Aharonian, and *et al.*, “Erratum: HESS j1640-465 - an exceptionally luminous TeV  $\gamma$ -ray supernova remnant,” *Monthly Notices of the Royal Astronomical Society* **441**, 3640–3642 (may 2014), <http://dx.doi.org/10.1093/mnras/stu826>

- [31] H.E.S.S. Collaboration, A. Abramowski, F. Acero, A. G. Akhperjanian, and et al., “Discovery of TeV  $\gamma$  -ray emission from PKS 0447-439 and derivation of an upper limit on its redshift,” *Astronomy & Astrophysics* **552**, A118 (apr 2013), <http://dx.doi.org/10.1051/0004-6361/201321108>
- [32] V. Vasileiou, A. Jacholkowska, F. Piron, J. Bolmont, C. Couturier, *et al.*, “Constraints on Lorentz invariance violation from Fermi-Large Area Telescope observations of gamma-ray bursts,” *Phys. Rev. D* **87**, 122001 (Jun. 2013), [arXiv:1305.3463 \[astro-ph.HE\]](https://arxiv.org/abs/1305.3463)
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